

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	751	(plasma electrostatic\$4). clm. and (chuck support\$4 hold\$4 table susceptor). clm. and (wafer substrate workpiece disk disc semiconductor).clm. and (oxygen "o.sub.2").clm. and (ring annular)"clm."	US-PGPUB; USPAT	OR	ON	2009/12/21 21:27
L2	167	(plasma electrostatic\$4). clm. and (chuck support\$4 hold\$4 table susceptor). clm. and (wafer substrate workpiece disk disc semiconductor).clm. and (oxygen "o.sub.2").clm. and (ring annular).clm.	US-PGPUB; USPAT	OR	ON	2009/12/21 21:27
L3	99	(plasma electrostatic\$4). clm. and (chuck support\$4 hold\$4 table susceptor). clm. and (wafer substrate workpiece disk disc semiconductor).clm. and (oxygen "o.sub.2").clm. and (ring annular).clm. and (temperature thermal\$4 cool\$4 chill\$4 heat\$4).clm.	US-PGPUB; USPAT	OR	ON	2009/12/21 21:27
L4	1133	(plasma electrostatic\$4). clm. and (chuck support\$4 hold\$4 table susceptor). clm. and (wafer substrate workpiece disk disc semiconductor).clm. and (oxygen "o.sub.2").clm. and (temperature thermal \$4 cool\$4 chill\$4 heat\$4). clm.	US-PGPUB; USPAT	OR	ON	2009/12/21 21:27
L5	41	(plasma electrostatic\$4). clm. and (chuck support\$4 hold\$4 table susceptor). clm. and (wafer substrate workpiece disk disc semiconductor).clm. and (oxygen "o.sub.2").clm. and (temperature thermal \$4 cool\$4 chill\$4 heat\$4). clm. and (focus with ring)	US-PGPUB; USPAT	OR	ON	2009/12/21 21:26

S7	6	((("6493629") or ("6340928") or ("6674403") or ("5977913") or ("6850735") or ("6714605")).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/17 11:29
S8	689	156/345.51-345.53.ccls.	US-PGPUB; USPAT	OR	ON	2006/02/17 17:46
S9	854	156/345.51-345.53.ccls. 156/914-916.ccls.	US-PGPUB; USPAT	OR	ON	2006/07/18 16:04
S10	2	focus with ring with oxygen with releas\$4	US-PGPUB; USPAT	OR	ON	2006/07/18 15:09
S11	12	focus with ring with oxygen	US-PGPUB; USPAT	OR	ON	2006/02/17 11:34
S12	10	(focus adj ring) with oxygen	US-PGPUB; USPAT	OR	ON	2006/02/17 12:07
S13	6	(focus adj ring) with oxygen	EPO; JPO; DERWENT	OR	ON	2006/02/17 12:29
S14	198	156/345.\$..ccls. and ((releas \$5 discharg\$5 liberat\$5) with oxygen)	US-PGPUB; USPAT	OR	ON	2006/02/17 12:10
S15	8	156/345.\$..ccls. and ((releas \$5 discharg\$5 liberat\$5) with oxygen with polymer \$7)	US-PGPUB; USPAT	OR	ON	2006/02/17 12:10
S16	19	156/345.\$..ccls. and (((releas\$5 discharg\$5 liberat\$5) with oxygen) same polymer\$7)	US-PGPUB; USPAT	OR	ON	2006/02/17 12:22
S17	5	("5328722" "5354382" "5356515" "5494523" "5695831").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 12:15
S18	1	S17 and oxygen	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 12:16
S19	2	156/345.\$..ccls. and ((releas \$5 discharg\$5 liberat\$5) with oxygen with (focus shadow))	US-PGPUB; USPAT	OR	ON	2006/02/17 12:23
S20	3	156/345.\$..ccls. and ((quartz ceramic) with oxygen with (focus shadow))	US-PGPUB; USPAT	OR	ON	2006/02/17 12:23
S21	13	(US-20050005859-\$ or US- 20050164506-\$ or US- 20040231800-\$).did. or (US-6143144-\$ or US- 6815352-\$ or US-4491496- \$ or US-6022809-\$).did. or (JP-2000208492-\$ or JP- 2001135619-\$ or JP- 2002009042-\$).did. or (JP- 2001135619-\$ or JP- 2002009042-\$ or US- 20050164506-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/17 12:25

S22	294287	((cool\$3 chill\$3 temperature thermal\$4) with (chuck susceptor ring table holder support\$4))	US-PGPUB; USPAT	OR	ON	2006/02/17 12:25
S23	5	S21 and "15"	US-PGPUB; USPAT	OR	ON	2006/02/17 12:26
S24	5	S21 and S22	US-PGPUB; USPAT	OR	ON	2006/02/17 12:26
S25	19	((focus shadow) adj ring) with ((cool\$3 chill\$3) ((temperature thermal\$4) with (maintain\$4 control \$4)))	EPO; JPO; DERWENT	OR	ON	2006/02/17 12:30
S26	73	((focus shadow) adj ring) with ((cool\$3 chill\$3) ((temperature thermal\$4) with (maintain\$4 control \$4)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/17 12:30
S27	4	("5789324" "5998932" "6171438" "6178919"). PN.	US-PGPUB; USPAT	OR	ON	2006/02/17 16:02
S28	1	S27 and oxygen	US-PGPUB; USPAT	OR	ON	2006/02/17 16:05
S29	52	chen-huang-ming.in. chou-chun-li.in. chen-chao-cheng.in.	US-PGPUB; USPAT	OR	ON	2006/02/17 17:46
S30	0	156/915.cds. and (set pair two).ti.	US-PGPUB; USPAT	OR	ON	2006/07/18 15:17
S31	25	156/915.cds. and ((set pair two) with ring)	US-PGPUB; USPAT	OR	ON	2006/02/17 17:47
S32	173	focus with ring with quartz	US-PGPUB; USPAT	OR	ON	2006/07/18 15:10
S33	4	focus with ring with quartz with oxygen	US-PGPUB; USPAT	OR	ON	2006/07/18 15:12
S34	1	focus with ring with quartz with oxygen	EPO; JPO; DERWENT	OR	ON	2006/07/18 15:13
S35	1	focus with ring with impregn\$5	EPO; JPO; DERWENT	OR	ON	2006/07/18 15:13
S36	3	((focus with ring) and impregn\$5	EPO; JPO; DERWENT	OR	ON	2006/07/18 15:14
S37	3	((focus with ring) same impregn\$5	EPO; JPO; DERWENT	OR	ON	2006/07/18 15:14
S38	13	((focus with ring) same impregn\$5	US-PGPUB; USPAT	OR	ON	2006/07/18 15:14
S39	5	((focus adj ring) same impregn\$5	US-PGPUB; USPAT	OR	ON	2006/07/18 15:15
S40	2	((focus adj ring) same satur\$5	US-PGPUB; USPAT	OR	ON	2006/07/18 15:15

S41	1	156/914-915 ccls. and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5 fill\$4 through\$1 out) with oxygen)	US-PGPUB, USPAT	OR	ON	2006/07/18 15:18
S42	51	156/914-915 ccls. and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5 fill\$4 through\$1 out))	US-PGPUB, USPAT	OR	ON	2006/07/18 15:29
S43	14	(156/345.\$ ccls. 156/912-917.ccls.) and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with oxygen)	US-PGPUB, USPAT	OR	ON	2006/07/18 15:38
S44	148	(c23c016\$.ipc. c23F001\$.ipc. h011021\$.ipc.) and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5) same (oxygen "o.sub.2"))	EPO; JPO; DERWENT	OR	ON	2006/07/18 15:41
S45	103	(c23c016\$.ipc. c23F001\$.ipc. h011021\$.ipc.) and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2"))	EPO; JPO; DERWENT	OR	ON	2006/07/18 16:35
S46	25	(c23c016\$.ipc. c23F001\$.ipc.) and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2"))	EPO; JPO; DERWENT	OR	ON	2006/07/18 15:47
S47	2892	((coat\$3 deposit etch\$3) with (wafer substrate semiconductor workpiece)) and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2"))	US-PGPUB, USPAT	OR	ON	2006/07/18 15:53
S48	92	((118/715-733.ccls. "216"/\$.ccls.) and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2"))	US-PGPUB, USPAT	OR	ON	2006/07/18 15:48
S49	827	((coat\$3 deposit etch\$3) with (wafer substrate semiconductor workpiece)) and (((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2")) same (susceptor holder chuck ring focus support))	US-PGPUB, USPAT	OR	ON	2006/07/18 15:53
S50	853	((coat\$3 deposit etch\$3) with (wafer substrate semiconductor workpiece)) and (((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2")) same (susceptor holder chuck ring focus support\$3))	US-PGPUB, USPAT	OR	ON	2006/07/18 15:54

S51	17	((coat\$3 deposit etch\$3) with (wafer substrate semiconductor workpiece)) same (((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2")) same (susceptor holder chuck ring focus support\$3))	US-PGPUB; USPAT	OR	ON	2006/07/18 15:57
S52	12982	(impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2") with (susceptor holder chuck ring focus support\$3)	US-PGPUB; USPAT	OR	ON	2006/07/18 15:58
S53	26	(impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2") with (susceptor holder chuck ring focus support\$3) with (substrate wafer semiconductor workpiece)	US-PGPUB; USPAT	OR	ON	2006/07/18 16:00
S54	12	(impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2") with (susceptor holder chuck ring focus support\$3) with (substrate wafer semiconductor workpiece)	EPO; JPO; DERWENT	OR	ON	2006/07/18 15:58
S55	5120	sp and impregnat\$5	US-PGPUB; USPAT	OR	ON	2006/07/18 16:04
S56	899	156/345,51-345,53.ccls. 156/914-916.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/04 18:07
S57	20	S56 and impregnat\$5	US-PGPUB; USPAT	OR	ON	2006/07/18 16:09
S58	196	118/715-733.ccls. and impregnat\$5	US-PGPUB; USPAT	OR	ON	2006/07/18 16:09
S59	57	118/728-732.ccls. and impregnat\$5	US-PGPUB; USPAT	OR	ON	2006/07/18 16:10
S60	73	118/725,728-732.ccls. and impregnat\$5	US-PGPUB; USPAT	OR	ON	2006/07/18 16:25
S61	109	yamashita.in. and sony.as.	US-PGPUB; USPAT	OR	ON	2006/07/18 16:26
S62	9	yamashita.in. and sony.as. and focus	US-PGPUB; USPAT	OR	ON	2006/07/18 16:33
S63	27	kimura.in. and (focus with ring)	US-PGPUB; USPAT	OR	ON	2006/07/18 16:34
S64	0	kimura-tadayuki.in. and (focus with ring)	US-PGPUB; USPAT	OR	ON	2006/07/18 16:34
S65	86	(h011021\$ ipc.) and (((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2"))	EPO; JPO; DERWENT	OR	ON	2006/07/18 16:35

S66	1	((h011021\$.ipc.) and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2") and (focus with ring))	EPO; JPO; DERWENT	OR	ON	2006/07/18 16:36
S67	1	((h011021\$.ipc.) and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5) same (oxygen "o.sub.2") same (focus with ring))	EPO; JPO; DERWENT	OR	ON	2006/07/18 16:36
S68	1	((h011021\$.ipc.) and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5) and (oxygen "o.sub.2") and (focus with ring))	EPO; JPO; DERWENT	OR	ON	2006/07/18 16:36
S69	1	((h011021\$.ipc.) and ((impregnat\$5 saturat\$5 permat\$5 imbu\$5) and (oxygen "o.sub.2") and (focus with ring))	EPO; JPO; DERWENT	OR	ON	2006/07/18 16:36
S70	1	((impregnat\$5 saturat\$5 permat\$5 imbu\$5) and (oxygen "o.sub.2") and (focus with ring))	EPO; JPO; DERWENT	OR	ON	2006/07/18 16:36
S71	139	((impregnat\$5 saturat\$5 permat\$5 imbu\$5) and (oxygen "o.sub.2") and (focus with ring))	US-PGPUB; USPAT	OR	ON	2006/07/18 16:37
S72	1	((impregnat\$5 saturat\$5 permat\$5 imbu\$5) same (oxygen "o.sub.2") same (focus with ring))	US-PGPUB; USPAT	OR	ON	2006/07/18 16:37
S73	7	((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2") and (focus with ring))	US-PGPUB; USPAT	OR	ON	2006/07/18 16:40
S74	1675	((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2") and (etch\$3)	US-PGPUB; USPAT	OR	ON	2006/07/18 16:41
S75	176	((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2") same (etch\$3)	US-PGPUB; USPAT	OR	ON	2006/07/18 16:41
S76	2	((impregnat\$5 saturat\$5 permat\$5 imbu\$5) with (oxygen "o.sub.2") with (releas\$4 discharg\$4)) same (etch\$3)	US-PGPUB; USPAT	OR	ON	2006/07/18 16:41
S77	4	"2002009042"	EPO; JPO; DERWENT	OR	ON	2007/01/04 14:02
S78	1	10/506,237	US-PGPUB; USPAT	OR	ON	2007/04/03 16:20

S79	206	"06154"	US-PGPUB; USPAT	OR	ON	2007/04/03 16:20
S80	1	"10506237"	EPO; JPO; DERWENT	OR	ON	2007/04/03 16:21
S81	0	"10/506,237"	EPO; JPO; DERWENT	OR	ON	2007/04/03 16:21
S82	0	10/506,237	EPO; JPO; DERWENT	OR	ON	2007/04/03 16:21
S83	0	"60363284"	EPO; JPO; DERWENT	OR	ON	2007/04/03 16:22
S84	23	chen.in. and focus and ring	EPO; JPO; DERWENT	OR	ON	2007/04/03 16:30
S85	7	("5789324" "5958265" "598932" "6171438" "6178919" "6280183" "6624084").PN.	US-PGPUB; USPAT	OR	ON	2007/04/03 16:30
S86	4	("5556500" "5942075" "6068784" "6290806"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 16:36
S87	36	("5556500").URPN.	USPAT	OR	ON	2007/04/03 17:12
S88	1	("5556500").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/03 20:27
S89	3	"200113419"	EPO; JPO; DERWENT	OR	ON	2007/04/03 20:54
S90	3	((("20030224531") or ("20030092195") or ("20020113034")).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/03 21:18
S91	628	(216/27).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/03 21:43
S92	1	("6632281").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/03 21:44
S93	1	((("2000208492") or ("2002009042") or ("5784434")).PN.	US-PGPUB; USPAT	OR	OFF	2008/01/04 17:50
S94	1	((("2000208492") or ("2002009042") or ("5784434")).PN.	US-PGPUB; USPAT	OR	OFF	2008/01/04 17:50
S95	9	156/915.ccls. and (extend \$4 with (below under underneath))	US-PGPUB; USPAT	OR	ON	2008/01/04 19:44
S96	64	156/915.ccls.	US-PGPUB; USPAT	OR	ON	2008/01/04 18:15
S97	2	("4632719" "5213658"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 18:24
S98	17	("5660673").URPN.	USPAT	OR	ON	2008/01/04 18:25
S99	10	("5942039").URPN.	USPAT	OR	ON	2008/01/04 18:36

S100	12	etch\$3 and ((focus\$4 with ring) same (extend\$4 with (below under underneath)))	US-PGPUB; USPAT	OR	ON	2008/01/04 19:04
S101	0	etch\$3 and ((focus\$4 with ring) same (extend\$4 with (below under underneath)))	EPO; JPO; DERWENT	OR	ON	2008/01/04 19:04
S102	0	etch\$3 and ((focus\$4 with ring) and (extend\$4 with (below under underneath)))	EPO; JPO; DERWENT	OR	ON	2008/01/04 19:04
S103	2	etch\$3 and ((focus\$4 with ring) and (extend\$4 and (below under underneath)))	EPO; JPO; DERWENT	OR	ON	2008/01/04 19:05
S104	18	etch\$3 and ((focus\$4 with ring) and ((below under underneath)))	EPO; JPO; DERWENT	OR	ON	2008/01/04 20:46
S105	13	("5444207" "5978310" "5993594" "6251793" "6337277" "6364957" "6423175" "6436230" "6506686" "6508911" "6554954" "6562186" "6723202").PN.	EPO; JPO; DERWENT	OR	ON	2008/01/04 19:12
S106	13	("5444207" "5978310" "5993594" "6251793" "6337277" "6364957" "6423175" "6436230" "6506686" "6508911" "6554954" "6562186" "6723202").PN.	US-PGPUB; USPAT	OR	ON	2008/01/04 19:12
S107	37	("20030075274" "4340462" "4948458" "5200232" "5667631" "5805408" "5820723" "5824605" "5948704" "5998932" "6013155" "6013984" "6019060" "6039836" "6042687" "6090304" "6140612" "6184158" "6230651" "6245192" "6333272" "6383931" "6391787" "6426304" "6475336" "6551939" "6552296" "6579465" "6630407" "6641698" "6746961" "6805139" "6824627" "6834656" "6838012" "6852636" "7014788"). PN.	US-PGPUB; USPAT	OR	ON	2008/01/04 19:44
S108	8	("6284093").URIPN.	USPAT	OR	ON	2008/01/04 19:54

SI09	6	("6489249").URPN.	USPAT	OR	ON	2008/01/04 20:23
SI10	6	("6489249").URPN.	USPAT	OR	ON	2008/01/04 20:23
SI11	2	("6117349" "6221782"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 20:23
SI12	1	("5955381").FN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 20:27
SI13	1	("5955381").URPN.	USPAT	OR	ON	2008/01/04 20:28
SI14	4	("4754009" "5476548" "5494523" "5578164"). FN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 20:28
SI15	6	("6489249").URPN.	USPAT	OR	ON	2008/01/04 20:31
SI16	2	("6117349" "6221782"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 20:32
SI17	4	"2002009048"	EPO; JPO; DERWENT	OR	ON	2008/01/04 20:46
SI18	3	((("20030224531") or ("20030092195") or ("20020113034"))).FN.	US-PGPUB; USPAT	OR	OFF	2008/01/06 23:43
SI19	2	((("20040187525") or ("20040206127"))).FN.	US-PGPUB; USPAT	OR	OFF	2008/01/06 23:54
SI20	4258	thin.ti. and transistor.ti. and film.ti.	US-PGPUB; USPAT	OR	ON	2008/01/06 23:54
SI21	1	("6489249").FN.	US-PGPUB; USPAT	OR	OFF	2008/07/29 14:11
SI22	2	((("20030106646") or ("20060102288"))).FN.	US-PGPUB; USPAT	OR	OFF	2008/10/06 21:49
SI23	412	(rough\$4 with anodized with aluminum with surface)	US-PGPUB; USPAT	OR	ON	2008/10/07 13:38
SI24	152	(rough\$4 with anodized with aluminum with surface)	EPO; JPO; DERWENT	OR	ON	2008/10/07 13:38
SI25	1	(rough\$4 with anodized with aluminum with surface) and (chuck susceptor)	EPO; JPO; DERWENT	OR	ON	2008/10/07 13:40
SI26	1	(rough\$4 with anodized with aluminum) and (chuck susceptor)	EPO; JPO; DERWENT	OR	ON	2008/10/07 13:41
SI27	1	(rough\$4 with anodized) and (chuck susceptor)	EPO; JPO; DERWENT	OR	ON	2008/10/07 13:41
SI28	921	(rough\$4 and anodized) and (chuck susceptor)	EPO; JPO; DERWENT	OR	ON	2008/10/07 13:41
SI29	3	(rough\$4 and anodized) and (chuck susceptor)	EPO; JPO; DERWENT	OR	ON	2008/10/07 13:41

S130	289	(rough\$4 and anodized) and (support\$4 chuck susceptor)	EPO; JPO; DERWENT	OR	ON	2008/10/07 13:52
S131	34	(rough\$4 and anodized) and (support\$4 chuck susceptor) and (wafer substrate)	EPO; JPO; DERWENT	OR	ON	2008/10/07 13:53
S132	1	10/765,808	US-PGPUB; USPAT	OR	ON	2008/11/18 11:03
S133	679	(ring collar annular\$4 circumferen\$4).dm. and (plasma (activ\$4 with gas)). dm. and (substrate wafer semiconductor workpiece). dm. and (below under underneath).dm.	US-PGPUB; USPAT	OR	ON	2008/11/18 11:57
S134	383	(ring collar annular\$4 circumferen\$4).dm. and (plasma (activ\$4 with gas)). dm. and (substrate wafer semiconductor workpiece). dm. and (below under underneath).dm. and (support\$4 hold\$4 table susceptor chuck).dm.	US-PGPUB; USPAT	OR	ON	2008/11/18 11:58
S135	64	chen-huang-ming.in. chou-chun-li.in. chen-chao-cheng.in. tao-hun-jin.in.	US-PGPUB; USPAT	OR	ON	2008/11/18 11:59
S136	21	("4222839" "4230515" "4297162" "4298443" "4307283" "4309267" "4400235" "4439261"). PN. OR ("4512841").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/18 12:04
S137	12	("3436255" "4367114" "4512841" "4599069" "4793975" "5262029" "5376180" "5449411" "5490881").PN. OR ("5609691").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/18 12:24
S138	6	("4599069").URFN.	USPAT	OR	ON	2008/11/18 12:34
S139	2747	(ring collar annular\$4 circumferen\$4 focus\$4) and (plasma (activ\$4 with gas))and (substrate wafer semiconductor workpiece) and (electrostatic\$4 with (above up\$1side\$1down)) and (support\$4 hold\$4 table susceptor chuck)	US-PGPUB; USPAT	OR	ON	2008/11/19 09:45

S140	7	(ring collar annular\$4 circumferen\$4 focus\$4) and (plasma (activ\$4 with gas)) and (substrate wafer semiconductor workpiece) and (electrostatic\$4 with (up\$1side\$1down)) and (support\$4 hold\$4 table susceptor chuck)	US-PGPUB; USPAT	OR	ON	2008/11/19 09:46
S141	15	(substrate wafer semiconductor workpiece) and (electrostatic\$4 with (up\$1side\$1down)) and (support\$4 hold\$4 table susceptor chuck)	US-PGPUB; USPAT	OR	ON	2008/11/19 09:54
S142	8	S141 not S140	US-PGPUB; USPAT	OR	ON	2008/11/19 09:54
S143	1164	(substrate wafer semiconductor workpiece) and (electrostatic\$4) and ((up\$1side\$1down invert\$4 right\$1side) with (support \$4 hold\$4 table susceptor chuck))	US-PGPUB; USPAT	OR	ON	2008/11/19 09:58
S144	36	(substrate wafer semiconductor workpiece) same (electrostatic\$4) same ((up\$1side\$1down invert\$4 right\$1side) with (support\$4 hold\$4 table susceptor chuck))	US-PGPUB; USPAT	OR	ON	2008/11/19 09:59
S145	21	(substrate wafer semiconductor workpiece) and (electrostatic\$4) and ((up\$1side\$1down invert\$4 right\$1side) with (support \$4 hold\$4 table susceptor chuck))	EPO; JPO; DERWENT	OR	ON	2008/11/19 09:59
S146	1	("20030082920").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/19 10:05
S147	100	(focus\$4 with (apparatus ring collar part piece structure)) and (electrostatic\$4) and ((up \$1side\$1down invert\$4 right\$1side) with (support \$4 hold\$4 table susceptor chuck))	US-PGPUB; USPAT	OR	ON	2008/11/19 10:22
S148	0	(focus\$4 with (apparatus ring collar part piece structure)) and (electrostatic\$4) and ((up \$1side\$1down invert\$4 right\$1side) with (support \$4 hold\$4 table susceptor chuck))	EPO; JPO; DERWENT	OR	ON	2008/11/19 10:22

S149	526	((focus\$4) and (electrostatic \$4) and ((up\$1side\$1down invert\$4 right\$1side) with (support\$4 hold\$4 table susceptor chuck))	US-PGPUB; USPAT	OR	ON	2008/11/19 10:22
S150	39	((focus\$4 with plasma) and (electrostatic\$4) and ((up \$1side\$1down invert\$4 right\$1side) with (support \$4 hold\$4 table susceptor chuck))	US-PGPUB; USPAT	OR	ON	2008/11/19 10:23
S151	11	((focus\$4 near1 (apparatus ring collar part piece structure)) and (electrostatic\$4) and ((up \$1side\$1down invert\$4 right\$1side) with (support \$4 hold\$4 table susceptor chuck))	US-PGPUB; USPAT	OR	ON	2008/11/19 10:25
S152	2	((focus\$4 near1 (ring collar)) and (electrostatic \$4) and ((up\$1side\$1down invert\$4 right\$1side) with (support\$4 hold\$4 table susceptor chuck))	US-PGPUB; USPAT	OR	ON	2008/11/19 10:26
S153	37	((focus\$4 near1 (ring collar)) and (electrostatic \$4) and ((up\$1side\$1down invert\$4 right\$1side))	US-PGPUB; USPAT	OR	ON	2008/11/19 10:27
S154	7	("6117349").URPN.	USPAT	OR	ON	2008/11/19 10:32
S155	7	("20020038691" "5529657" "5792304" "5868848" "6117349" "6344105" "6723202"). PN. OR ("7247888").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/19 10:35
S156	14	("4282924" "5304278" "5405491" "5556500" "5740009" "5792304" "5868848" "5904778" "6096161" "6148765"). PN. OR ("6723202").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/19 10:37
S157	15	("5534751" "5895549" "5919332").PN. OR ("6096161").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/19 10:42
S158	7	("20020038691" "5529657" "5792304" "5868848" "6117349" "6344105" "6723202"). PN. OR ("7247888").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/19 10:57

S159	20	("20020036881" "20030211757" "20040060661" "5074456" "5745331" "5753132" "5886863" "5928528" "6073577" "6108189" "6170432" "6194322" "6310755" "6376385" "6462928" "6475336" "6490146" "6538872" "6721162" "6723202").PN. OR ("7431788").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/19 11:13
S160	15	("5437757" "5707485" "5805408" "5830808" "5920797" "5922133" "6117349" "6200388"). PN. OR ("6464794").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/19 11:26
S161	5	("5290381" "5547539" "5556500" "5868848" "6464794").PN. OR ("6676804").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/19 11:29
S162	125	(US-20050005859-\$ or US- 20040231800-\$ or US- 20050164506-\$ or US- 20070169891-\$ or US- 20050120960-\$ or US- 20060102288-\$ or US- 20030106646-\$ or US- 20050098742-\$ or US- 20030082920-\$ or US- 20030211757-\$ or US- 20020038691-\$ or US- 20020066531-\$ or US- 20040261946-\$ or US- 20050224344-\$ or US- 20050257743-\$ or US- 20050269292-\$ or US- 20060000803-\$ or US- 20060283553-\$ or US- 20060288934-\$ or US- 20010015262-\$ or US- 20020108933-\$ or US- 20030000648-\$ or US- 20030000459-\$ or US- 20030013315-\$ or US- 20030062128-\$ or US- 20040027781-\$).did. or (US-20040040664-\$ or US- 20040056602-\$ or US- 20040072426-\$ or US- 20040074605-\$ or US- 20040083975-\$ or US- 20040134618-\$ or US- 20040238488-\$ or US- 20050103275-\$ or US- 20050133164-\$ or US- 20060043065-\$ or US- 20070193688-\$ or US-	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/19 17:30

20070215279-\$ or US-
2008000876-\$ or US-
20080023143-\$ or US-
20080041820-\$ or US-
20080066868-\$ or US-
20080194113-\$).did. or
(US-6117349-\$ or US-
5919332-\$ or US-6143144-
\$ or US-6815352-\$ or US-
5792562-\$ or US-5955381-
\$ or US-5942039-\$ or US-
4491496-\$ or US-5789324-
\$ or US-6171438-\$ or US-
6344105-\$ or US-6022809-
\$ or US-6284093-\$ or US-
5556500-\$ or US-5660673-
\$ or US-5529657-\$ or US-
5552124-\$ or US-5048457-
\$ or US-5748434-\$ or US-
6489249-\$ or US-4512841-
\$ or US-5609691-\$ or US-
4599069-\$ or US-5474614-
\$ or US-5868848-\$ or US-
6723202-\$).did. or (US-
5740009-\$ or US-5904778-
\$ or US-6096161-\$ or US-
6475336-\$ or US-7247888-
\$ or US-5792304-\$ or US-
7431788-\$ or US-6310755-
\$ or US-6462928-\$ or US-
6490146-\$ or US-6538872-
\$ or US-6464794-\$ or US-
5805408-\$ or US-6620736-
\$ or US-6676804-\$ or US-
6828243-\$ or US-7335278-
\$ or US-7338578-\$ or US-
6797109-\$ or US-6689249-
\$ or US-7419567-\$ or US-
6188564-\$ or US-6323454-
\$ or US-RE37580-\$ or US-
6363882-\$ or US-6399922-
\$ or US-6454855-\$).did. or
(US-6514347-\$ or US-
6528751-\$ or US-6841943-
\$ or US-6900596-\$ or US-
7030335-\$ or US-7244336-
\$).did. or (JP-2002033376-
\$ or JP-2004241792-\$ or
JP-2005064460-\$ or JP-
2000208492-\$ or JP-
2002009048-\$ or JP-
2002016126-\$ or JP-
11330047-\$ or JP-
11026563-\$ or JP-
2001135619-\$ or JP-
2002009042-\$ or JP-
04282848-\$ or JP-
2006040582-\$).did. or (JP-
2001135619-\$ or JP-
2002009048-\$ or JP-
2002009042-\$ or US-

		20050164506-\$ or US-6033585-\$ or WO-2003079404-\$ or JP-11330047-\$ or US-20040035532-\$ or US-20040005726-\$ or US-20040126924-\$ or JP-2000211921-\$ or US-20030082920-\$). did.				
S164	125	(US-20050005859-\$ or US-20040231800-\$ or US-20050164506-\$ or US-20070169891-\$ or US-20050120960-\$ or US-20060102288-\$ or US-20030106646-\$ or US-20050098742-\$ or US-20030082920-\$ or US-20030211757-\$ or US-20020038691-\$ or US-20020066531-\$ or US-20040261946-\$ or US-20050224344-\$ or US-20050257743-\$ or US-20050269292-\$ or US-20060000803-\$ or US-20060283553-\$ or US-20060288934-\$ or US-20010015262-\$ or US-20020108933-\$ or US-20030000648-\$ or US-20030000459-\$ or US-20030013315-\$ or US-20030062128-\$ or US-20040027781-\$). did. or (US-20040040664-\$ or US-20040056802-\$ or US-20040072426-\$ or US-20040074605-\$ or US-20040083975-\$ or US-20040134618-\$ or US-20040238488-\$ or US-20050103275-\$ or US-20050133164-\$ or US-20060043065-\$ or US-20070193688-\$ or US-20070215279-\$ or US-20080000876-\$ or US-20080023143-\$ or US-20080041820-\$ or US-20080066868-\$ or US-20080194113-\$). did. or (US-6117349-\$ or US-5919332-\$ or US-6143144-\$ or US-6815352-\$ or US-5792562-\$ or US-5955381-\$ or US-5942039-\$ or US-4491496-\$ or US-5789324-\$ or US-6171438-\$ or US-6344105-\$ or US-6022809-\$ or US-6284093-\$ or US-	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/11/20 14:13

		5556500-\$ or US-5660673-\$ or US-5529657-\$ or US-5552124-\$ or US-5048457-\$ or US-5748434-\$ or US-6489249-\$ or US-4512841-\$ or US-5609691-\$ or US-4599069-\$ or US-5474614-\$ or US-5868848-\$ or US-6723202-\$).did. or (US-5740009-\$ or US-5904778-\$ or US-6096161-\$ or US-6475336-\$ or US-7247888-\$ or US-5792304-\$ or US-7431788-\$ or US-6310755-\$ or US-6462928-\$ or US-6490146-\$ or US-6538872-\$ or US-6464794-\$ or US-5805408-\$ or US-6620736-\$ or US-6676804-\$ or US-6828243-\$ or US-7335278-\$ or US-7338578-\$ or US-6797109-\$ or US-6689249-\$ or US-7419567-\$ or US-6188564-\$ or US-6323454-\$ or US-RE37580-\$ or US-6363882-\$ or US-6399922-\$ or US-6454855-\$).did. or (US-6514347-\$ or US-6528751-\$ or US-6841943-\$ or US-6900596-\$ or US-7030335-\$ or US-7244336-\$).did. or (JP-2002033376-\$ or JP-2004241792-\$ or JP-2005064460-\$ or JP-2000208492-\$ or JP-2002009048-\$ or JP-2002016126-\$ or JP-11330047-\$ or JP-11026563-\$ or JP-2001135619-\$ or JP-2002009042-\$ or JP-04282848-\$ or JP-2006040582-\$).did. or (JP-2001135619-\$ or JP-2002009048-\$ or JP-2002009042-\$ or US-20050164506-\$ or US-6033585-\$ or WO-2003079404-\$ or JP-11330047-\$ or US-20040035532-\$ or US-20040005726-\$ or US-20040126924-\$ or JP-2000211921-\$ or US-20030082920-\$).did.				
S165	56	S164 and ((invert\$4 invers\$4 (up\$1side adj down) fac\$3 flip\$4 right\$side) with (substrate wafer semiconductor workpiece))	US-PGPUB; USPAT	OR	ON	2008/11/20 14:15

S166	46	S164 and ((invert\$4 invers\$4 (up\$1side adj down) fac\$3 flip\$4 right\$side) with (substrate wafer semiconductor workpiece)) and electrostatic\$4	US-PGPUB; USPAT	OR	ON	2008/11/20 14:15
S167	8	"6284093" and releas\$4	US-PGPUB; USPAT	OR	ON	2008/11/20 14:28
S168	3	S167 and oxygen	US-PGPUB; USPAT	OR	ON	2008/11/20 14:37
S169	5	S167 not S168	US-PGPUB; USPAT	OR	ON	2008/11/20 14:38
S170	2	S169 and ((invert\$4 invers\$4 (up\$1side adj down) fac\$3 flip\$4 right\$side) with (substrate wafer semiconductor workpiece)) and electrostatic\$4	US-PGPUB; USPAT	OR	ON	2008/11/20 14:39
S171	84	(quartz same dielectric\$4 same shield\$4) and ((invert\$4 invers\$4 (up\$1side adj down) fac\$3 flip\$4 right\$side) with (substrate wafer semiconductor workpiece)) and electrostatic\$4	US-PGPUB; USPAT	OR	ON	2008/11/20 14:55
S172	2	("5055964" "5213349"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/20 15:27
S173	214	((quartz same ((dielectric\$4 same shield\$4) (focus\$4 adj (ring collar)))) and ((invert\$4 invers\$4 (up\$1side adj down) fac\$3 flip\$4 right\$side) with (substrate wafer semiconductor workpiece)) and electrostatic\$4	US-PGPUB; USPAT	OR	ON	2008/11/20 15:45
S174	112	(quartz with ((dielectric\$4 with shield\$4) (focus\$4 adj (ring collar)))) and ((invert\$4 invers\$4 (up\$1side adj down) fac\$3 flip\$4 right\$side) with (substrate wafer semiconductor workpiece)) and electrostatic\$4	US-PGPUB; USPAT	OR	ON	2008/11/20 15:46
S175	3084	((invert\$4 invers\$4 (up\$1side adj down) fac\$3 flip\$4 right\$side) and (substrate wafer semiconductor workpiece)) and electrostatic\$4	EPO; JPO; DERWENT	OR	ON	2008/11/20 16:16

S176	2778	((invert\$4 invers\$4 (up \$1side adj down) faces facing flip\$4 right\$side) and (substrate wafer semiconductor workpiece)) and electrostatic\$4	EPO; JPO; DERWENT	OR	ON	2008/11/20 16:17
S177	1722	((invert\$4 invers\$4 (up \$1side adj down) faces facing flip\$4 right\$side) with (substrate wafer semiconductor workpiece)) and electrostatic\$4	EPO; JPO; DERWENT	OR	ON	2008/11/20 16:17
S178	30386	c23c016\$.ipc.	EPO; JPO; DERWENT	OR	ON	2008/11/20 16:18
S179	7187	c23f001\$.ipc.	EPO; JPO; DERWENT	OR	ON	2008/11/20 16:18
S180	1733	S175 and (S177 S178 S179)	EPO; JPO; DERWENT	OR	ON	2008/11/20 16:19
S181	437500	h011021\$.ipc.	EPO; JPO; DERWENT	OR	ON	2008/11/20 16:19
S182	469	S175 and (S181 S178 S179)	EPO; JPO; DERWENT	OR	ON	2008/11/20 16:19
S184	62	S175 and (S181 S178 S179) and (dust particle particulate foreign debris)	EPO; JPO; DERWENT	OR	ON	2008/11/20 16:20
S185	3	"2001298072"	EPO; JPO; DERWENT	OR	ON	2008/11/20 17:22
S186	2	"08339895"	EPO; JPO; DERWENT	OR	ON	2008/11/20 17:49
S187	291	((electrostatic with (chuck support\$4 table hold\$4 susceptor)) and ceiling and ((dielectric\$4 with shield \$4) (focus\$4 adj (ring collar)))	US-PGPUB; USPAT	OR	ON	2008/11/20 17:52
S188	1	((electrostatic with (chuck support\$4 table hold\$4 susceptor)) and ceiling and ((dielectric\$4 with shield \$4) (focus\$4 adj (ring collar)))	EPO; JPO; DERWENT	OR	ON	2008/11/20 17:52
S189	0	((electrostatic with (chuck support\$4 table hold\$4 susceptor)) same ceiling same ((dielectric\$4 with shield\$4) (focus\$4 adj (ring collar)))	EPO; JPO; DERWENT	OR	ON	2008/11/20 17:52
S190	39	((electrostatic with (chuck support\$4 table hold\$4 susceptor)) and ceiling	EPO; JPO; DERWENT	OR	ON	2008/11/20 17:52

S191	9	(electrostatic with (chuck support\$4 table hold\$4 susceptor)) same ceiling same (dielectric\$4 shield\$4 focus\$4 ring collar annular)	EPO; JPO; DERWENT	OR	ON	2008/11/20 18:01
S192	122	(electrostatic with (chuck support\$4 table hold\$4 susceptor)) same ceiling same (dielectric\$4 shield\$4 focus\$4 ring collar annular)	US-PGPUB; USPAT	OR	ON	2008/11/20 18:02
S193	53	(electrostatic with (chuck support\$4 table hold\$4 susceptor)) same up\$1side	US-PGPUB; USPAT	OR	ON	2008/11/20 18:14
S194	39	(electrostatic with (chuck support\$4 table hold\$4 susceptor)) same (up \$1side adj down)	US-PGPUB; USPAT	OR	ON	2008/11/20 18:15
S195	13	("4798650").URPN.	USPAT	OR	ON	2008/11/20 18:57
S196	1	("4384918").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/20 19:11
S197	0	((("4384918").PN. ("4798650").PN.) and (focus\$4 shadow)	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/20 19:13
S198	1	10/765,808 and impregnat \$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/20 21:15
S199	73	"5529657" and quartz	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/20 22:03
S200	1	10/765,808 and ceramic	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/21 09:45
S201	29	((118/715-733.ccls. 156/345. \$.ccls) and (ceramic with type with quartz)	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/21 09:49
S202	6	("3121035" "4399016" "4419201" "4491496" "4491606").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/21 09:55
S203	1	10/765,808 and quartz	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/21 10:09
S204	73	"5529657" and quartz	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/21 10:10
S205	1	"6284093".pn. and oxygen	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/21 10:24
S206	1	("5529657").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/29 10:16
S207	2	"08107039"	EPO; JPO; DERWENT	OR	ON	2009/05/29 10:53
S208	2	"08107139"	EPO; JPO; DERWENT	OR	ON	2009/05/29 10:54
S209	2	"11239398"	EPO; JPO; DERWENT	OR	ON	2009/05/29 12:14

S210	4	"11239398"	US-PGPUB	OR	ON	2009/05/29 12:15
S211	2	((("6211622") or ("5160544"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/06/01 10:27
S212	1	("20070259129").PN.	US-PGPUB; USPAT	OR	OFF	2009/06/01 10:58
S213	3	(focus\$4 near ring) with (extend\$4) with (below under underneath) with (susceptor chuck holder table e\$1chuck)	US-PGPUB; USPAT	OR	ON	2009/06/01 11:48
S214	40	(focus\$4 near ring) with (below under underneath) with (susceptor chuck holder table e\$1chuck)	US-PGPUB; USPAT	OR	ON	2009/06/01 11:49
S215	24	(focus\$4 near ring) and (below under underneath) and (susceptor chuck holder table e\$1chuck)	JPO; DERWENT	OR	ON	2009/06/01 12:39
S216	70	(156/915).CQLS.	US-PGPUB; USPAT	OR	OFF	2009/06/01 12:48
S217	10	("5942039").URPN.	USPAT	OR	ON	2009/06/01 13:37
S218	35	"6590959"	USPAT	OR	ON	2009/06/01 13:44
S219	25	("4645218" "4869801" "5203981" "5213658" "5228501" "5246532" "5275683" "5298465" "5330607" "5352294" "5376213" "5411624" "5423918" "5529657" "5595627" "5622593" "5683537" "5685914" "5685942" "5688358" "5695564" "5695566" "5698062" "5817534" "5868848").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 13:47
S220	19	("4844775" "5122251" "5292399" "5310453" "5356515" "5384008" "5401356" "5498313"). PN. OR ("5688358").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 14:30
S221	20	("4632719" "5213658"). PN. OR ("5660673").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 16:52
S222	14	("5246532" "5534751" "5660673" "5998932" "6008130" "6019060" "6068784" "6261408" "6354241" "6433484"). PN. OR ("6823815").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 17:10

S223	31	("5534751" "5569356" "5589003" "5868848" "5891348").PN. OR ("5998932").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 17:17
S224	13	("4392932" "4632719" "4954201" "5292399" "5534751" "5942042" "5998932" "6051073" "6074488" "6178919" "6241477" "6413382" "6553277").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/01 17:27
S225	5	((("5998932") or ("6117349") or ("5660673") or ("6887340") or ("5942042") or ("5660673"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/06/02 07:11
S226	150	lam.as. and (focus\$3 with ring)	US-PGPUB; USPAT	OR	ON	2009/06/02 07:23
S227	10	lam.as. and (focus\$3 with ring).ab.	US-PGPUB; USPAT	OR	ON	2009/06/02 07:23
S228	60	lam.as. and (focus\$3 with ring with surround\$4)	US-PGPUB; USPAT	OR	ON	2009/06/02 07:27
S229	7	("5534751" "5744049" "5904800" "5998932" "6019060" "6129808" "6178919").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/02 07:32
S230	6	((("5998932") or ("6117349") or ("5660673") or ("6887340") or ("5942042") or ("5660673") or ("6602381"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/06/02 07:44
S231	7	((("5998932") or ("6117349") or ("5660673") or ("6887340") or ("5942042") or ("5660673") or ("6602381") or ("5529657"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/06/02 08:30
S232	4	S231 and (temperature thermal\$4 cool\$4 chill\$4) and (quartz)	US-PGPUB; USPAT	OR	ON	2009/06/02 08:32
S233	2	((("5998932") or ("5529657"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/09/01 12:43
S234	1	("5578129").PN.	US-PGPUB; USPAT	OR	OFF	2009/09/01 13:15
S235	2	((("5998932") or ("5529657"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/12/17 13:02
S236	1	10/765,808	US-PGPUB; USPAT	OR	ON	2009/12/17 13:16

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12/ 21/ 09 9:33:12 PM

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